

**GROWTH OF HUMAN DENDRITIC CELLS FOR CANCER
IMMUNOTHERAPY IN CLOSED SYSTEM USING MICROCARRIER BEADS**

ABSTRACT OF THE DISCLOSURE

5 A method of reproducibly generating dendritic cells is
provided. Blood mononuclear cells is loaded into a cell
culture container containing microcarrier beads therein.
Tissue culture comprising the cells loaded in the container
is incubated for a predetermined period. Nonadherent cells
10 and cells adhered to the beads are separated. The method
may further include preparing dendritic cell culture medium
and transferring the dendritic cell culture medium to the
container after the cells which are adhered to the beads
are separated from the nonadherent cells. The tissue
15 culture incubated for the predetermined time period may be
washed to remove nonadherent cells. The beads may be
allowed to settle and supernatant is expressed off. The
container may comprise a gas permeable cell culture bag.

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